A Complete Bibliography of Publications in the *Journal of Theoretical Biology*: 2020–2029

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Title word cross-reference

2 [AFTF22, KRSSH21, PD23, RBG+23, SRB+24, Yin21]. 3 [ABB+22, BMB+21, FSC21, GF23, MPTCT+20, MMS+23]. 4 [CKTW24]. $^+$ [LLS+22]. $^{2+}$ [CBK+20, KK22a, LYE+24, PO20]. $_2$ [AG22]. β [CSF20, FVB20, GHB22]. γ [PJVR23]. h [PWC+23]. n [KT20a]. R_0 [KRSSH21]. T [LLS+22].

-catenin [CSF20]. **-cells** [FVB20]. **-Dimensional** [AFTF22]. **-serovar** [KT20a]. **-subtree** [CKTW24].

/IL [PJVR23]. **/IL-4** [PJVR23].

1 [BS21, CTL+22, KKK+20, LBF24, NTTI22, PGML20, SF23]. **19** [AGP+21, AGP+23, APF+24, ASS+23, AMR+23, BK21, BGM22, BDdG22, CS21, DAB+23, DTS21, DPR21, DJ22, ECH+23, GSW+23, GGSTS21, JKH+23, KPA+21, KBW+23, LMS21, LZZ+23, LMW21, MEPS22, NGKB21,

state-dependent [WSW21]. **state-specific** [DCL23]. **states** [ACD20, AABG20, CKM+20, KPH+24, SOKZ22, ZL20, GFV+23, KRSSH21, WSC+22]. **Stationary** [Sch18, Sch21a, PLM24]. **Statistical** [GFL23, KH20, WLJ+20, CK20a, SSKS18, SSKS20, TH20]. **statistics** [MZLJ20]. **status** [LS21]. **Staying** [VB21]. **steady** [ESW24, HTD22, MDF21, SOKZ22, SVHM+21]. **steady-flow** [SVHM+21]. **stealing** [SVHM+21]. **stem** [ABB+22, BC20, EWK20, FBC23, LSZ21, Lei20, PASO21, SK21, WvdDL+21, XZW+24, YWQX23]. **stem-cell** [LSZ21]. **stems** [HH21]. **stent** [LFY+24]. **step** [OY21]. **Sterile** [IIHH21]. **stevioside** [BSS+20]. **stickiness** [HMS21]. **stiffness** [Haj20]. **stimulation** [GEHL+22, YZSS20]. **stimuli** [TKR+21]. **stimulus** [CKM+22, DBTI21, YFZ+20]. **Stochastic** [CK20a, GTE20, KGP+22, RKP20, ZG21, BRBF20, DCS20, FLRR23, HII22, HCR20, KHAK21, LS21, LFT+23, MH22a, MD22, MCMdAM24, MPC+24, NKE23, SSB20, SBB+22, WSW21, WZP+23, WHH22]. **Stochasticity** [JAB22, Bar23, PS22a]. **Stochasticity-induced** [JAB22]. **Stoichiometric** [WW24, GHA+20, SMJ20]. **storage** [PS22a]. **strain** [CLJ+23, DBTI21, GSW+23, LMG22, MEPS22, MCM20, TGC22]. **strains** [TWT23]. **strand** [AZYF+23, TH21]. **strand-displacement** [TH21]. **Strategic** [Whi21]. **strategies** [CWW22, CS20, CS21, GMMR22, GW20, GQG23, HPWvdB20, HCC+21, IHG21, KT21, KIM+22, MSLW23, MMI21, MC20a, Mit20, MMI22, RT24b, RWHK21, STCSC+21, TNHV21, TNW21, WSW21, ZBT22]. **strategy** [AHW21, BP23, BK20b, BPM+22, DBD23, ECH+23, HMLO+23, KPP20, LL21, MSL23, SKS21, ZZB+21]. **strength** [ASMN23, MGZ+21, STB20]. **stress** [AML+22, HH21, SLCC22, ZL20]. **stress-gradient** [SLCC22]. **stress/uniform** [ZL20]. **stresses** [MIP+21]. **stressors** [BvdG20]. **stretch** [GLLP23, ZL20]. **stroke** [WP21]. **strong** [Bar23, MIP+21]. **Structural** [CWT+23, GHA+20, CK20a, IKYW21, PB21]. **structural-statistical** [CK20a]. **Structure** [BAJ+21, Van20, BSS+20, BK21, DBD23, EPF20, GHS18, GHS20, RBG+23, San21, SY24, WW22, WSY21, Wor20, ZF21, ZYLW21]. **Structure-function** [BAJ+21]. **structured** [AABG20, APR+22b, BB21a, BV24, CBH+22, CBH+23, DDDMT22, EBK21, FPGC21, FBSD22, FBD23, HK21, HTD22, LL20, LDL+24, LRST22, MCMdAM24, MEA21, ORW+20, PPS+21, PABS23, SSBG20, SMM+23]. **structures** [BAJ+21, FOY21, NKE23, PS22b, RK22a, RBD+20]. **studies** [BEO+22, GW20, PGC+22]. **Study** [CWL20, AGP+23, Avv23, APR+22b, BBK23, BTS24, CWT+23, EP20, FNGJ21, GMMR22, GJDS20, GSR23, GK20, GBHNHVL23, HS20, KBD+23, LLS+22, LX21, LRST22, MC20b, NMC+21, NKE23, PCLL21, PZ20, PBB20, PO20, RBG+23, Sch17, Sch23, SRDC21, SXL+20, SSX+22, WWR+24, WDH+20, WSC+22, XZZ+23, YSP+23, ZZGG21, ZQHN24, ZBT22]. **Studying** [ILGI20, KV23, OKT+21]. **sub** [SR24, SHY21]. **sub-exponential**

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[Ano22w] Anonymous. 7 September 2022. *Journal of Theoretical Biology*, 548(??):??, September 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

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Anonymous:2022:EBc

[Ano22z] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 534(??):Article 110991, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321004112.

Anonymous:2022:EBd

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Anonymous:2022:EBe

[Ano22-28] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 536(??):Article 111036, March 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322000340.

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Anonymous:2022:EBh

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Anonymous:2022:EBj

[Ano22-33] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 541(??):Article 111114, May 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322001126.

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[Ano22-35] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 543(??):Article 111142, June 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322001400.

Anonymous:2022:EBm

[Ano22-36] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 544(??):Article 111156, July 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322001540.

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Anonymous:2022:EBp

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[Ano22-40] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 548(??):Article 111216, September 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322002144.

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[Ano22-44] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 553(??):Article 111287, November 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322002788.

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[Ano22-45] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 554(??):Article 111305, December 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002251932200296X.

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[Ano22-46] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 555(??):Article 111319, December 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322003101.

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[Ano23v] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 557(??):??, January 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322003538.

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[Ano23y] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 560(??):??, March 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323000061.

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[Ano23-27] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 562(??):??, April 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323000371.

Anonymous:2023:EBh

[Ano23-28] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 563(??):??, April 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323000516.

Anonymous:2023:EBi

[Ano23-29] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 564(??):??, May 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002251932300070X.

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Anonymous:2023:EBk

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[Ano23-32] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 567(??):??, June 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323001091.

Anonymous:2023:EBm

[Ano23-33] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 568(??):??, July 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323001261.

Anonymous:2023:EBn

[Ano23-34] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 569(??):??, July 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323001388.

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[Ano23-35] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 570(??):??, August 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323001467.

Anonymous:2023:EBp

[Ano23-36] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 571(??):??, August 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323001698.

Anonymous:2023:EBq

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Anonymous:2023:EBr

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Anonymous:2023:EBs

[Ano23-39] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 574(??):??, October 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002370`.

Anonymous:2023:EBt

[Ano23-40] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 575(??):??, November 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323002588`.

Anonymous:2024:Ab

[Ano24a] Anonymous. 21 April 2024. *Journal of Theoretical Biology*, 583(??):??, April 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2024:Fb

[Ano24b] Anonymous. 21 February 2024. *Journal of Theoretical Biology*, 579(??):??, February 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2024:Jb

[Ano24c] Anonymous. 21 January 2024. *Journal of Theoretical Biology*, 577(??):??, January 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2024:Mb

[Ano24d] Anonymous. 21 March 2024. *Journal of Theoretical Biology*, 581(??):??, March 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2024:Md

[Ano24e] Anonymous. 21 May 2024. *Journal of Theoretical Biology*, 585(??):??, May 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2024:Aa

[Ano24f] Anonymous. 7 April 2024. *Journal of Theoretical Biology*, 582(??):??, April 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2024:Fa

[Ano24g] Anonymous. 7 February 2024. *Journal of Theoretical Biology*, 578(??):??, February 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2024:Ja

[Ano24h] Anonymous. 7 January 2024. *Journal of Theoretical Biology*, 576(??):??, January 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2024:Jc

[Ano24i] Anonymous. 7 June 2024. *Journal of Theoretical Biology*, 586(??):??, June 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2024:Ma

[Ano24j] Anonymous. 7 March 2024. *Journal of Theoretical Biology*, 580(??):??, March 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2024:Mc

[Ano24k] Anonymous. 7 May 2024. *Journal of Theoretical Biology*, 584(??):??, May 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:2024:EBa

[Ano24l] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 576(??):??, January 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323002758.

Anonymous:2024:EBb

[Ano24m] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 577(??):??, January 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323002904.

Anonymous:2024:EBc

[Ano24n] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 578(??):??, February 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323003053.

Anonymous:2024:EBd

[Ano24o] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 579(??):??, February 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519324000067.

Anonymous:2024:EBe

[Ano24p] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 580(??):??, March 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002251932400033X.

Anonymous:2024:EBf

[Ano24q] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 581(??):??, March 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519324000456.

Anonymous:2024:EBg

[Ano24r] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 582(??):??, April 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519324000572.

Anonymous:2024:EBh

[Ano24s] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 583(??):??, April 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519324000699.

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[Ano24t] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 584(??):??, May 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519324000821.

Anonymous:2024:EBj

[Ano24u] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 585(??):??, May 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519324000912.

Anonymous:2024:EBk

[Ano24v] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 586(??):??, June 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519324001103.

Aft:2021:SPI

[AOB21] Tristan Aft, Sorinel A. Oprisan, and Catalin V. Buhusi. Is the scalar property of interval timing preserved after hippocampus lesions? *Journal of Theoretical Biology*, 516(??):Article 110605, May 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321000278.

Angeli:2024:WAI

[APF+24] Leonardo Angeli, Constantino Pereira Caetano, Nicolas Franco, Steven Abrams, Pietro Coletti, Inneke Van Nieuwenhuyse, Sorin Pop, and Niel Hens. Who acquires infection from whom? A sensitivity analysis of transmission dynamics during the early phase of the COVID-19 pandemic in Belgium. *Journal of Theoretical Biology*, 581(??):??, March 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002251932400002X.

Avila:2021:HRG

[APL21] Piret Avila, Tadeas Priklopil, and Laurent Lehmann. Hamilton's rule, gradual evolution, and the optimal (feedback) control of phenotypically plastic traits. *Journal of Theoretical Biology*, 526(??):Article 110602, October 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321000242.

Abdalgader:2022:TBC

[APR+22a] Tarteel Abdalgader, Michael Pedersen, Dongsheng Ren, Guiquan Sun, and Lai Zhang. Trade-off between climatic and human population impacts on *Aedes aegypti* life history shapes its geographic distribution. *Journal of Theoretical Biology*, 535(??):Article 110987, February 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321004070.

Azimaqin:2022:VFS

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[BKZ+22] Sid Becker, Andrey V. Kuznetsov, Dan Zhao, Filippo de Monte, and Giuseppe Pontrelli. Model of drug delivery to populations composed of two cell types. *Journal of Theoretical Biology*, 534(??):Article 110947, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321003660.

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[BM20] Nicolas Bolle and Matthew S. Mizuhara. Dynamics of a cell motility model near the sharp interface limit. *Journal of Theoretical Biology*, 505(??):Article 110420, November 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320302757.

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[BMB+21] Alexander P. Browning, Oliver J. Maclaren, Pascal R. Buenzli, Matthew Lanaro, Mark C. Allenby, Maria A. Woodruff, and Matthew J. Simpson. Model-based data analysis of tissue growth in thin 3D printed scaffolds. *Journal of Theoretical Biology*, 528(??):Article 110852, November 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002251932100271X.

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[BNPL20] Alex Blokhuis, Philippe Nghe, Luca Peliti, and David Lacoste. The generality of transient compartmentalization and its associated error thresholds. *Journal of Theoretical Biology*, 487(??):Article 110110, February 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519319304795.

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[Bol22] Barbara Boldin. The importance of ecological dynamics in evolutionary processes: a host–bacteriophage model revisited. *Journal of Theoretical Biology*, 539(??):Article 111057, April 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322000558.

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[BP20] Ryan Baker and Michel Pleimling. The effect of habitats and fitness on species coexistence in systems with cyclic dominance. *Journal of Theoretical Biology*, 486(??):Article 110084, February 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519319304539.

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[BPM+22] Oksana Butuzova, Nikolay Pakudin, Andrey Minarsky, Nikolay Bessonov, and Nadya Morozova. Developmental graphs comparison strategy for analysis of pattern formation and phylogeny. *Journal of Theoretical Biology*, 532(??):Article 110925, January 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321003441.

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[BPP+20] Irene Balelli, Chloé Pasin, Mélanie Prague, Fabien Crauste, Thierry Van Effelterre, Viki Bockstal, Laura Solforosi, and Rodolphe Thiébaut. A model for establishment, maintenance and reactivation of the immune response after vaccination against Ebola virus. *Journal of Theoretical Biology*, 495(??):Article 110254, June 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320301090`.

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[BRBF20] Jon Bohlin, Brittany Rose, Ola Brynildsrud, and Birgitte Freiesleben De Blasio. A simple stochastic model describing genomic evolution over time of GC content in microbial symbionts. *Journal of Theoretical Biology*, 503(??):Article 110389, October 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519320302447`.

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[BRN+22] Alireza Bahramian, Janarthanan Ramadoss, Fahimeh Nazarimehr, Karthikeyan Rajagopal, Sajad Jafari, and Iqtadar Hussain. A simple one-dimensional map-based model of spiking neurons with wide ranges of firing rates and complexities. *Journal of Theoretical Biology*, 539(??):Article 111062, April 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322000601`.

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[BRS24] Leonid Bunimovich, Athulya Ram, and Pavel Skums. Antigenic cooperation in viral populations: Transformation of functions of intra-host viral variants. *Journal of Theoretical Biology*, 580(??):??, March 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519323003168`.

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[BS22a] Camila Bräutigam and Matteo Smerlak. Diffusion approximations in population genetics and the rate of Muller's ratchet. *Journal of Theoretical Biology*, 550(??):Article 111236, October 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322002314.

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[BS22b] Justin P. Bruner and Rory Smead. Tag-based spite with correlated interactions. *Journal of Theoretical Biology*, 540(??):Article 111052, May 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322000509.

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[BSC20b] Swarnendu Banerjee, Amar Sha, and Joydev Chattopadhyay. Cooperative predation on mutualistic prey communities. *Journal of Theoretical Biology*, 490(??):Article 110156, April 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320300126.

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[BSJ20] Chris Baker, Mark Sterling, and Mike Jesson. The lodging of crops by tornadoes. *Journal of Theoretical Biology*, 500(??):Article 110309, September 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320301648.

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[BSV+24] M. Bowen, P. Samozino, M. Vonderscher, D. Dutykh, and B. Morel. Mathematical modeling of exercise fatigability in the severe domain: a unifying integrative framework in isokinetic condition. *Journal of Theoretical Biology*, 578(??):??, February 7, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002251932300293X.

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[BT22] Vasiliki Bitsouni and Vasilis Tsilidis. Mathematical modeling of tumor-immune system interactions: the effect of rituximab on breast cancer immune response. *Journal of Theoretical Biology*, 539(??):Article 111001, April 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321004215.

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[BTS24] Philip J. Bergmann and Isabel Tonelli-Sippel. Many-to-many mapping: a simulation study of how the number of traits and tasks affect the evolution of form and function. *Journal of Theoretical Biology*, 581(??):??, March 21, 2024. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (elec-

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[BvdG20] Richard M. Bailey and Jesse M. A. van der Grient. OSIRIS: a model for integrating the effects of multiple stressors on marine ecosystems. *Journal of Theoretical Biology*, 493(??):Article 110211, May 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320300667.

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[BYHH20] Kazuhiro Bessho, Kenta Yashima, Toyomitsu Horii, and Masakazu Hori. Spatially explicit modeling of metapopulation dynamics of broadcast spawners and stabilizing/destabilizing effects of heterogeneity of quality across local habitats. *Journal of Theoretical Biology*, 492(??):Article 110157, May 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320300138.

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[CAARG21] Mauricio Castaño-Arcila, Luis U. Aguilera, and Jesús Rodríguez-González. Modeling the intracellular dynamics of the dengue viral infection and the innate immune response. *Journal of Theoretical Biology*, 509(??):Article 110529, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320303842.

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[Cai22] Yuhua Cai. Evolutionary coexistence in a metacommunity: Competition–colonization trade-off, ownership effects, environmental fluctuations. *Journal of Theoretical Biology*, 533(??):Article 110944, January 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321003635.

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[Car23] Joao Carvalho. A computational model of cell membrane bioelectric polarization and depolarization, connected with cell proliferation, in different tissue geometries. *Journal of Theoretical Biology*, 557(??):??, January 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322003290.

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[CBBD22] Céline Casenave, Anne Bisson, Simon Boudsocq, and Tanguy Daufresne. Impact of biological nitrogen fixation and livestock management on the manure transfer from grazing land in mixed farming systems. *Journal of Theoretical Biology*, 545(??):Article 111136, July 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322001345.

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[CBH+22] Giulia L. Celora, Samuel B. Bader, Ester M. Hammond, Philip K. Maini, Joe M. Pitt-Francis, and Helen M. Byrne. A DNA-structured mathematical model of cell-cycle progression in cyclic hypoxia. *Journal of Theoretical Biology*, 545(??):Article 111104, July 21, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322001023. See corrigendum [CBH+23].

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[CBH+23] Giulia L. Celora, Samuel B. Bader, Ester M. Hammond, Philip K. Maini, Joe M. Pitt-Francis, and Helen M. Byrne. Corrigendum to "A DNA-structured mathematical model of cell-cycle progression in cyclic hypoxia" [J. Theor. Biol. **545** (2022) 111104]. *Journal of Theoretical Biology*, 571(??):??, August 21, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323001030. See [CBH+22].

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[CBK+20] Ielyaas Cloete, Paula J. Bartlett, Vivien Kirk, Andrew P. Thomas, and James Sneyd. Dual mechanisms of Ca $^{2+}$ oscillations in hepatocytes. *Journal of Theoretical Biology*, 503(??):Article 110390, October 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320302459.

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[CBKS21] Courtney Cochrane, Demba Ba, Elizabeth B. Klerman, and Melissa A. St. Hilaire. An ensemble mixed effects model of sleep loss and performance. *Journal of Theoretical Biology*, 509(??):Article 110497, January 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320303520.

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[CBPG23] Sayantan Nag Chowdhury, Jeet Banerjee, Matjaz Perc, and Dibakar Ghosh. Eco-evolutionary cyclic dominance among predators, prey, and parasites. *Journal of Theoretical Biology*, 564(??):??, May 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323000425.

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[CBZK21] Giulia L. Celora, Helen M. Byrne, Christos E. Zois, and P. G. Kevrekidis. Phenotypic variation modulates the growth dynamics and response to radiotherapy of solid tumours under normoxia and hypoxia. *Journal of Theoretical Biology*, 527(??):Article 110792, October 21, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321002113.

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[CC22] Carl Corcoran and John Michael Clark. Adaptive network modeling of social distancing interventions. *Journal of Theoretical Biology*, 546(??):Article 111151, August 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322001497.

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[CCA20] José A. Capitán, Sara Cuenda, and David Alonso. Competitive dominance in plant communities: Modeling approaches and theoretical predictions. *Journal of Theoretical Biology*, 502(??):Article 110349, October 7, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320302046.

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[CCF+20] Rose-Marie Carlsson, Lauren M. Childs, Zhilan Feng, John W. Glasser, Jane M. Heffernan, Jing Li, and Gergely Röst. Modeling the waning and boosting of immunity from infection or vaccination. *Journal of Theoretical Biology*, 497(??):Article 110265, July 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030120X`.

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[CCPD22] Julieth Castiblanco, Paulo F. Cristaldo, Leticia R. Paiva, and Og DeSouza. Social context modulates scale-free movements in a social insect. *Journal of Theoretical Biology*, 542(??):Article 111106, June 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519322001047`.

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[CCSF21] Kim Christensen, Luca Cocconi, and Ana B. Sendova-Franks. Animal intermittent locomotion: a null model for the probability of moving forward in bounded space. *Journal of Theoretical Biology*, 510(??):Article 110533, February 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S002251932030388X`.

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[CCVB+21] Ielyaas Cloete, Juliana C. Corrêa-Velloso, Paula J. Bartlett, Vivien Kirk, Andrew P. Thomas, and James Sneyd. A tale of two receptors. *Journal of Theoretical Biology*, 518(??):Article 110629, June 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022519321000515`.

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[CD22] Justin M. Calabrese and Jeffery Demers. How optimal allocation of limited testing capacity changes epidemic dynamics. *Journal of Theoretical Biology*, 538(??):Article 111017, April 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print),

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[CDdV23] Charlotte Coton, Christine Dillmann, and Dominique de Vienne. Evolution of enzyme levels in metabolic pathways: a theoretical approach. Part 2. *Journal of Theoretical Biology*, 558(??):??, February 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322003459.

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[CF20] Colin G. Cess and Stacey D. Finley. Data-driven analysis of a mechanistic model of CAR T cell signaling predicts effects of cell-to-cell heterogeneity. *Journal of Theoretical Biology*, 489(??):Article 110125, March 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519319304941.

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[CG21] Yuhua Cai and Stefan A. H. Geritz. The evolution of the irreversible transition from a free-swimming state to an immobile sessile state in aquatic invertebrates modelled in a chemostat. *Journal of Theoretical Biology*, 522(??):??, August 7, 2021. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S002251932100103X.

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[CGGG20] Martina Conte, Luca Gerardo-Giorda, and Maria Groppi. Glioma invasion and its interplay with nervous tissue and therapy: a multiscale model. *Journal of Theoretical Biology*, 486(??):Article 110088, February 7, 2020. CO-

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[CGK23] Jiaming Cao, Pulkit Grover, and Jana M. Kainerstorfer. A model of neurovascular coupling and its application to cortical spreading depolarization. *Journal of Theoretical Biology*, 572(??):??, September 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519323001777.

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[CGP+20] Emily Cheng, Neeha Gambhirrao, Rohani Patel, Aufia Zhowandai, Jan Rychtář, and Dewey Taylor. A game-theoretical analysis of poliomyelitis vaccination. *Journal of Theoretical Biology*, 499(??):Article 110298, August 21, 2020. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519320301533.

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[CGR22] Fernando Alcalde Cuesta, Gustavo Guerberoff, and Álvaro Lozano Rojo. Bernoulli and binomial proliferation on evolutionary graphs. *Journal of Theoretical Biology*, 534 (??):Article 110942, February 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519321003611.

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[CGW22] Lili Chang, Shupeng Gao, and Zhen Wang. Optimal control of pattern formations for an SIR reaction–diffusion epidemic model. *Journal of Theoretical Biology*, 536(??):Article 111003, March 7, 2022. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322000017.

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[CGY+23] Jovic Aaron S. Caasi, Alex Leon Guerrero, Kangsan Yoon, Leslie J. Camacho Aquino, Aubrey Moore, Hyunju

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[CHMM23] Sophie Chauvet, Florence Hubert, Fanny Mann, and Mathieu Mezache. Tumorigenesis and axons regulation for the pancreatic cancer: a mathematical approach. *Journal of Theoretical Biology*, 556(??):??, January 7, 2023. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0022519322002922.

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